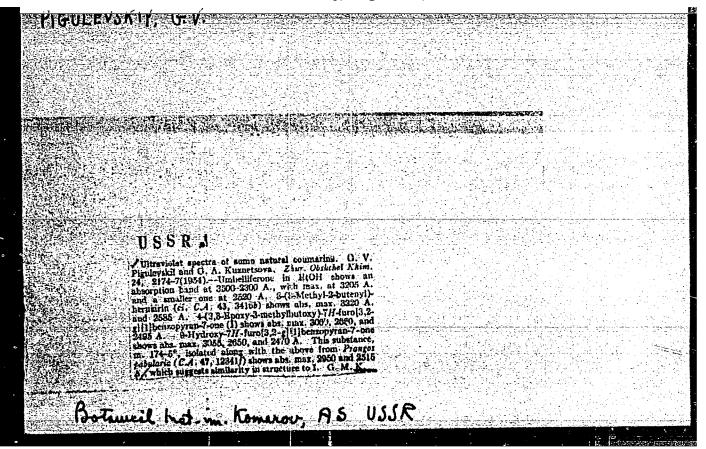
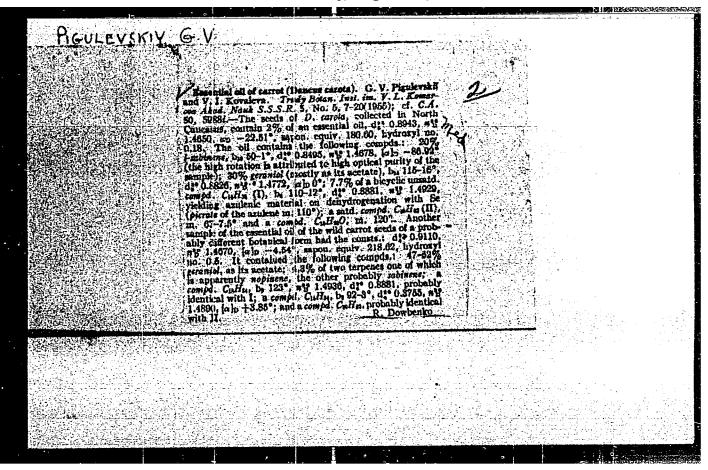
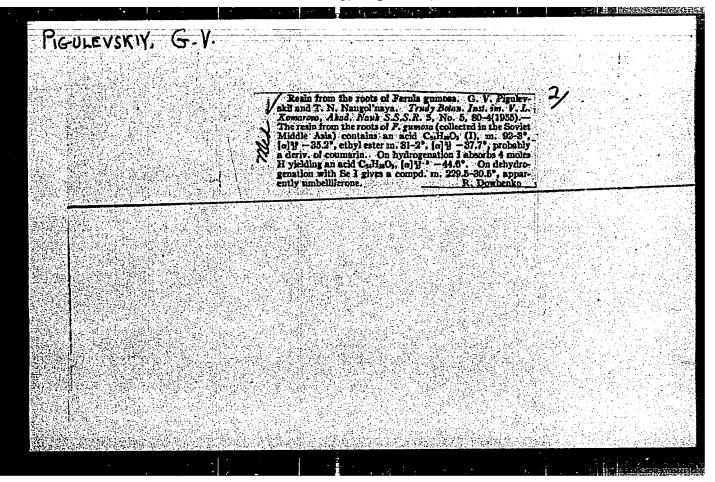
PIGULEVSKIY, G.V.

Studies en vegetable substances. Vest.Len.un.9 ne.5:157-165 My 154. (MIRA 9:7) (Betanical chemistry) (Plants--Chemical analysis)





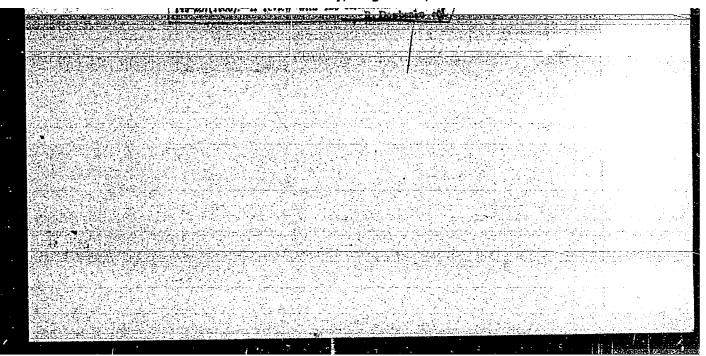


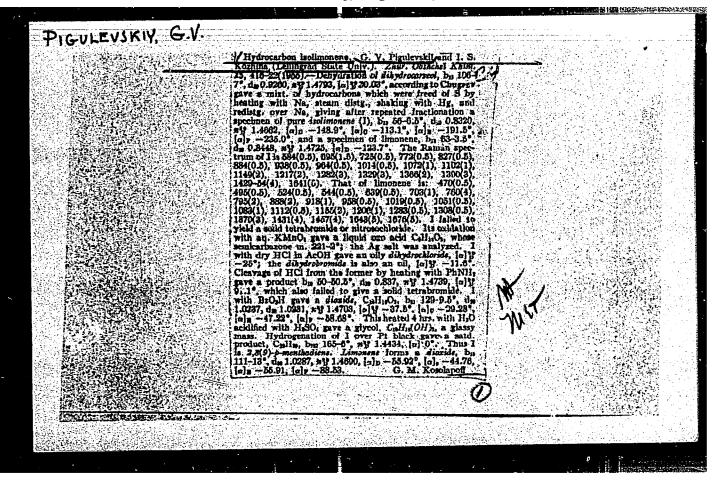
PIGULEVSKIY, G.V. Optical forms of terpenes. Trudy Bot.inst.Ser.5 no.5:120-148 '55. (Terpenes--Optical properties)

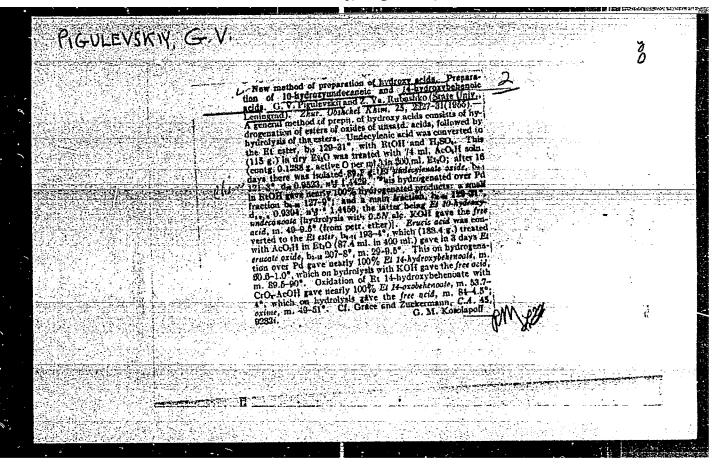
PIĞÜLEVSKIY. G.V.

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001240

Cambridge of complete occurring in marching in the complete occurring in the







AID P - 2269

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 14/19

Authors Pigulevskiy, G. V. and I. L. Kuranova

: A new method for determination of the structure of Title.

hydroxyamino acids

Periodical: Zhur. prikl. khim., 28, no.2, 213-216, 1955

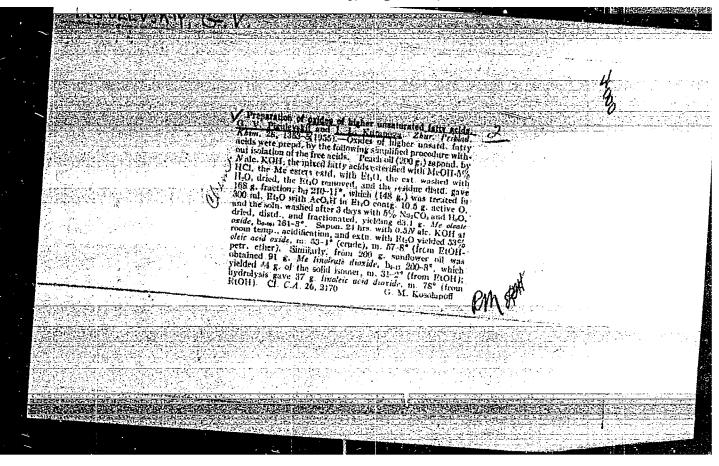
Abstract : Aminohydroxystearic acid was oxidized with lead tetra-

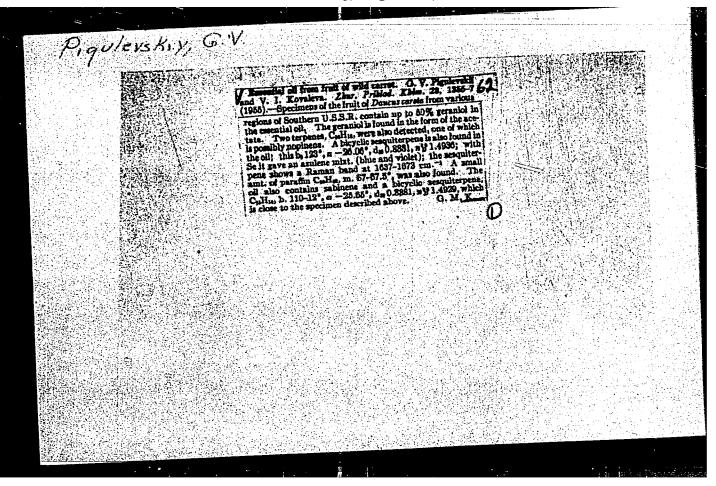
acetate. The analysis of the oxidation products led to the assumption that the structure of the acid

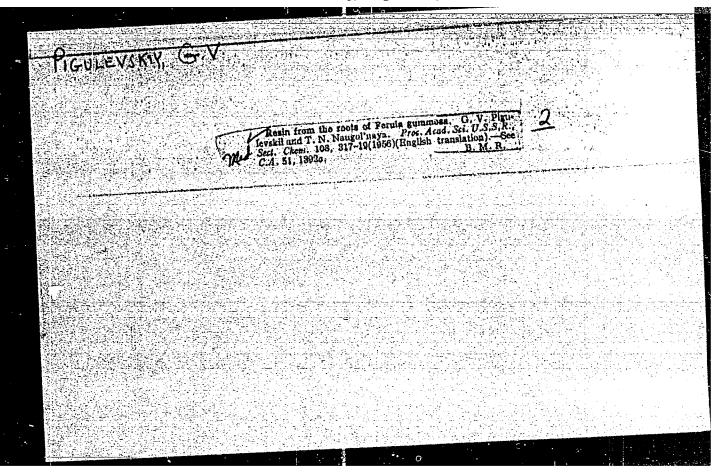
corresponds to 9-amino-10-hydroxystearic acid. Five references (2 Russian: 1950-1952).

Institution: None

Submitted: My 3, 1954







Pigulevskiy, G. V., and Kozhin, B. A. AUTHORS:

Pulsating Vibration Frequencies of the Ring in Raman Spectra of Alcohols of the n-Menthane Series. TIPLE:

(Chastoty pul'satsionno o kolebaniya kol'tsa v

spektrakh kombinatsionnogo rasseyaniya sveta spirtov

ryada n-mentana.)

PERIODICAL: Optika i Spektroskopiya, 1957, V 1. III, Ur. 6,

pp. 658-659. (UJBR)

In the study of catalytic hydration of menthene oxides ABSTRACT:

(Ref.1) Raman spectra of secondary and tertiary

monocyclic terpene alcohols were obtained. The position of an intense line in the region 700-800 cm⁻¹ was of special interest since this line is due to pulsating vibration of a 6-member ring. parison of spectra of secondary alcohols (table on

p.659) it was found that the position of the pulsating vibration line depends on the spatial distribution of

In the spectra of 1-menthol and_1 substituents. 1-carvomenthol this line occurs at about 770 cm

Card 1/4

Pulsating Vibration Frequencies of the Ring in Raman Spectra of Alçohols of the n-Menthane Series.

In the spectrum of d-neocarvomenthol, this line occurs at 750 cm⁻¹. The corresponding line for d-neodihydro-carveol occurs also at about 750 cm⁻¹. This suggests that of the studied secondary alcohols the neo-alcohols have lower pulsating vibration frequencies. In the infrared absorption spectra of stereoisomeric menthols (Ref.4) a similar behaviour is observed: in the spectra of neo-series alcohols a band of a lower frequency (760-758 cm⁻¹) occurs. The observed behaviour may be explained as follows. In molecules of stereoisomeric menthols and similar secondary alcohols methyl and isopropyl (or isopropenyl) groups Therefore the frequency occur in positions 1 and 4. of pulsating vibration in spectra of these compounds is determined primarily by the special distribution of the hydroxyl group at the second or third carbon This is fully confirmed by the experimental results obtained In the spectra of neo-series alcohols atom. in which the hydroxyl group is in the axial position, the pulsating frequencies are lower than in the spectra

Card 2/4

Pulsating Vibration Frequencies of the Ring in Razar Spectra of Alcohols of the n-Menthane Series.

of alcohols in which the hydroxyl group has the equatorial position. In the spectra of tertiary monocyclic alcohols of terpene series the pulsating vibration lines have considerably lower frequencies (720 cm⁻¹) than in the secondary alcohol spectra. A strong decrease of the pulsating vibration frequency occurs in molecules in which two substituents are present at the same carbon atom. In such cases one of the two substituents and a tertiary carbon atom must occupy the axial position. This disturbs the molecular symmetry and causes a strong decrease in the frequency of the pulsating vibration of the The effects reported in this note molecular ring. Some of the may be used in chemical analysis. spectra were measured by V. G. Kostenko. There is 1 table and 10 references, of which 2 are Russian, 1 English, 3 French, 2 Belgian and 2 of unknown origin.

Card 3/4

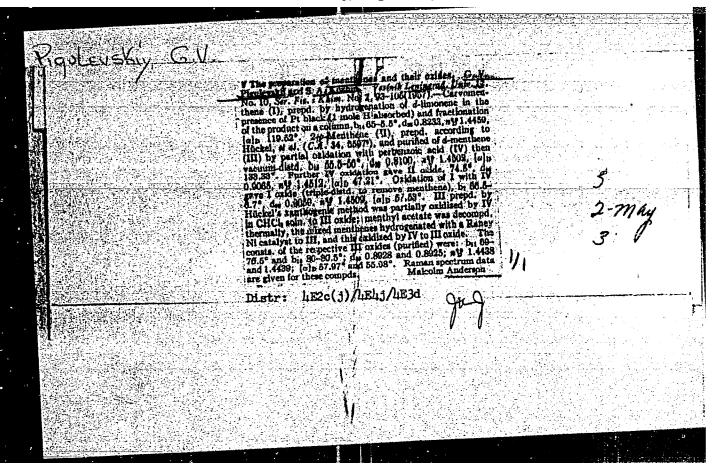
Pulsating Vibration Frequencies of the Ring in Raman Spectra of Alcohols of the n-Menthane Series.

ASSOCIATION: Leningrad State University. (Leningradskiy gosudarstvennyy universitet.)

April 29, 1957. SUBMITTED:

Library of Congress. AVAILABLE:

Card 4/4



464

AUTHORS:

Pigulevskiy, G. V., and Adrova, N. A.

TITLE:

Study of Myrcene Dioxide (K issledovaniyu diokisi mirtsena)

PERIODICAL:

Zhurnal Obshchey Khimii, 1957, Vol. 27, No. 1, pp. 136-137 (U.S.S.R.)

ABSTRACT:

During the derivation of monoxide by the oxidation of myrcene with acetyl hydrogen peroxide, the authors obtained a product identified as myrcene dioxide. The formation of the latter is explained as the result of partial polymerization of myrcene and the origination of an active oxygen surplus. Efforts were made to explain the structure of myrcene dioxide and to become acquainted with some of its properties. Optical methods were selected over the chemical ones because the latter have hardly offered any specific results. It was found that one of the oxide rings in the myrcene dioxide is oriented in the same way as in myrcene monoxide; the orientation of the second oxide ring has not been decided. Hydrogenation of myrcene dioxide resulted in the formation of dihydromyrcene dioxide. The hydrogenation was carried out in presence of

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APPROVED FOR RELEASE: Tuesday, August 01, 2000

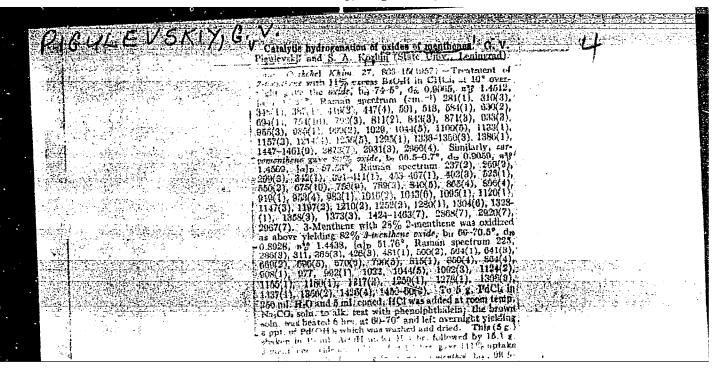
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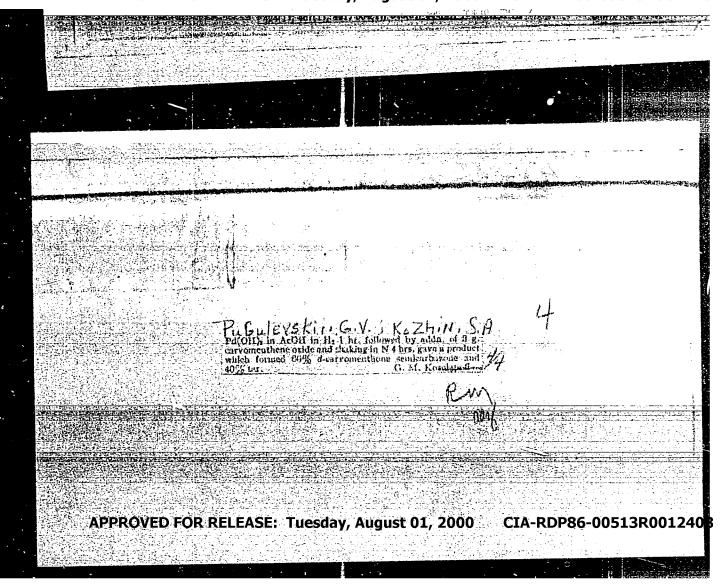
79-2-21/58 Pigulevskiy, G. V., and Adrova, N. A. Myrcene Monoxide in the Grinard Synthesis (Monookis' mirtsens v sinteze AUTHORS: Zhurnal Obshchey Khimii, 1957, vol 27, No 2, pp. 375-377 (U.S.S.R.) TITLE: Grin'yara) Data are presented on the products obtained from the reaction of magnesium iodomethyl with myrcene memoxide. In order to explain the behavior PERIODICAL: of myrcene monoxide in the Grignerd reaction, it was decided to carry out the reaction with a saturated monoxide figuring it will be possible under ABSTRACT: these conditions to avoid the effect of the conjugated system of double bonds. The monoxide was hydrogenated in the presence of platinum black. The oxide of tetrahydromyrcene during its reaction with magnesium iodomethyl yielded an unsaturated C11H22 hydrocarbon. It was established that the anomalous Grignard reaction is not connected with the presence of a conjugated system. The presence of an isopropylidene group in the syn-

thesised hydrocarbon was confirmed by the large amounts of acetone obtained

during the ozonolysis. The results of spectral analysis to which the Card 1/2

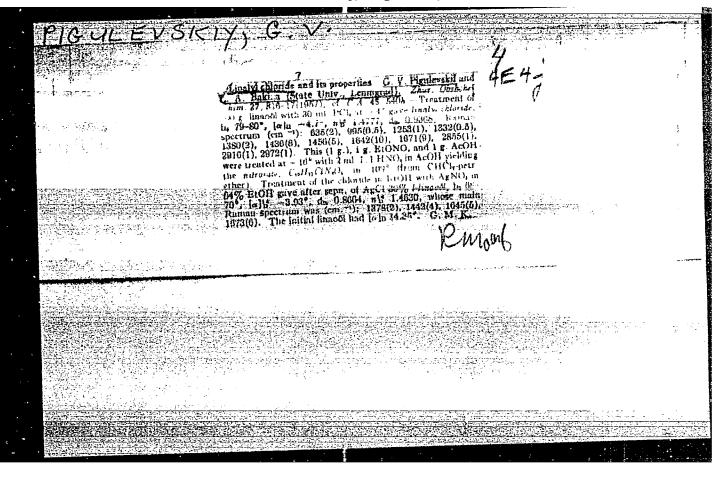
CIA-RDP86-00513R0012408 APPROVED FOR RELEASE: Tuesday, August 01, 2000

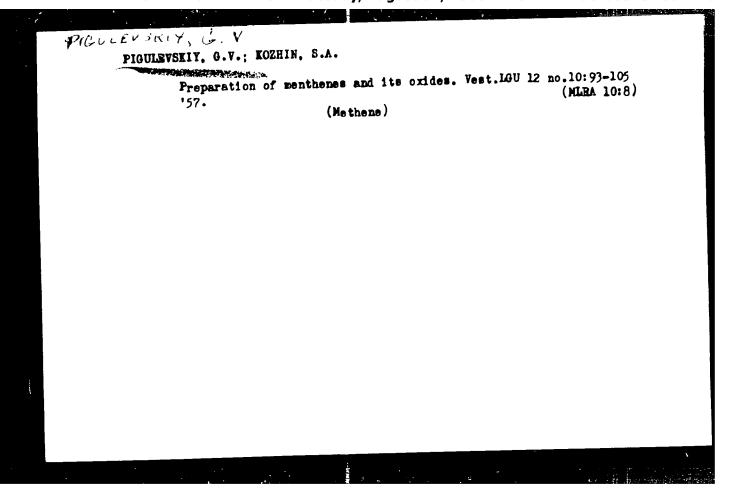


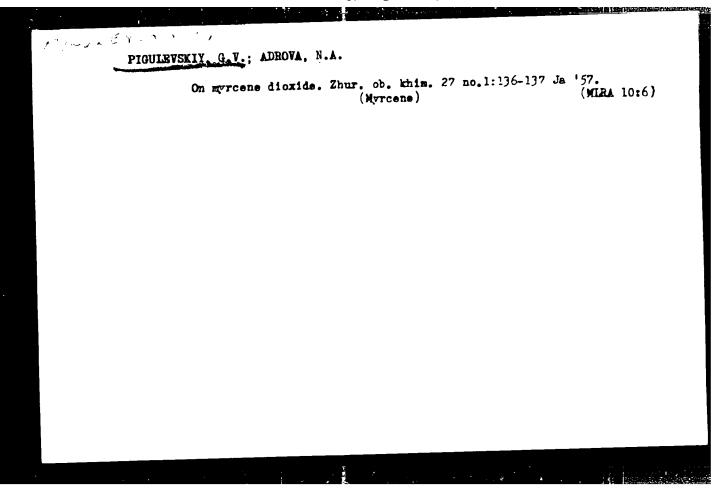


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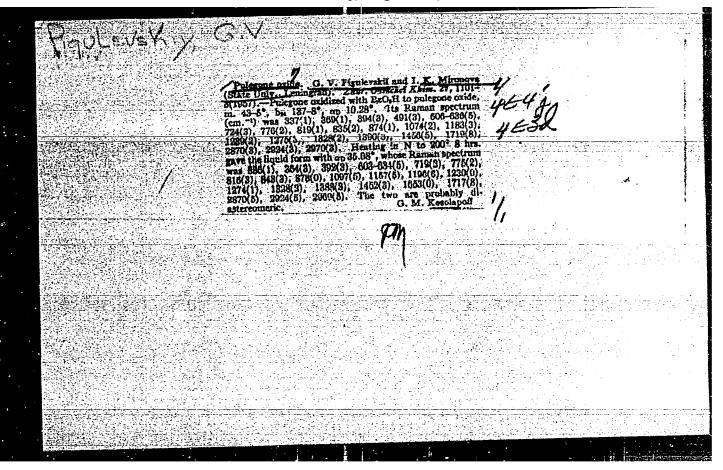


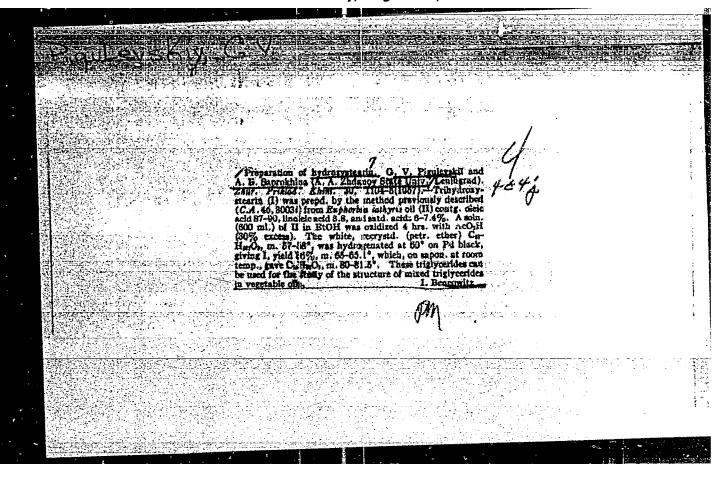
PIGULEVSKIY, G. V., KOZHIN, S.A. Catalytic hydration of menthene oxides. Zhur. ob. khim. 27 no.3:803-815 Mr. 157 1. Leningradskiy gosudarstvennyy universitet. (Menthene) (Carvomenthene)

PIGULEVSKIY, G.V.; BAKINA, L.A.

Linalyl chloride and its properties. Zhur. ob. khim. 27 no.3:816-817 (MIRA 10:6)

1. Leningradskiy gosudarstvennyy universitet. (Octadiene)





IL'IE, M.M., otvetstvennyy red.; SHUKHOBODSKIY, B.A., otvetstvennyy red.;
VASIL'IEV, V.E., prof., red.; PIGULAVSKIY, Q.V., prof., red.;
SCECILOV, V.S., prof., red.; PEDCHOV, A.A., prof., red.;
BRIKINA, M.A., red. izd-va; PEVZNER, R.S., tekhn. red.

[Present condition and prospects for the study of plant resources of the U.S.S.R.] Sostoianie i perspektivy izucheniia rastitel'nykh resources SSSR. Moskva, 1958. 510 p.

1. Akademiya nauk SSSR. Botanicheskiy institut.

(Botany, Reonomic)

KRUPIN, G.V.; BELYAYEV, I.T.; LAPSHIN, A.A.; GORDEYEV, N.I.; MAR'YARDV-SKIY, I.M.; PAVIOV, B.V.; ZHILOV, S.N.; TSYPKIN, S.I.; ANDREYEV, H.H.; EAZIMOROVA, V.F.; KURAHOVA, I.L.; PIGULEVSKIY, G.V.

Annotations of the scientific research work performed at the institute in 1957. Trudy LTIKHP 15:213-227 | 158. (MIRA 13:4)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti. 2. Kafedra tekhnologicheskogo oborudovaniya pishchevykh proizvodstv (for Krupin, Lapshin, Pavlov). 3. Kafedra ekonomiki i organizatsii proizvodstva (for Belyayev). 4. Kafedra detaley mashin i pod"yenno-transportnykh mashin (for Gordeyev). 5. Kafedra grafiki (for Mar'yanovskiy). 6. Kafedra promyshlannoy teplotekhniki (for Zhilov). 7. Kafedra fiziki (for TSypkin). 8. Kafedra fizicheskoy kolloidnoy i organicheskoy khimii (for Andreyev, Kasimirova, Kuranova, Pigulevakiy). skoy khimii (for Andreyev, Kasimirova, Kuranova, Pigulevakiy).

Plouding

79-1-49/3

AUTHORS:

Pigulevskiy, 3. 7. , Naydenova, I. 4.

TITLE:

The Monoxide of Methyllinolate and Its Properties (Monoxide metilovogo efira linolevoy kisloty i yeye svoystva)

PERIODICAL:

Zhurmal Chshchey Khimii 1958 Vol.28, Nr 1, pp.234 . 38 USSR

ABSTRACT:

On the basis of the described results that the exilation of methyllinolate with benzoyl-hydrogen-peroxide takes place in steps and that the hydrogenation and bromination of lincleic acid (C₁H₂₉ COOH) takes place in two phases, the authors assumed that the synthesis of the monoxide of this acii be realized. In order to attain this, methyl linclate was oxidized with acetyl-hydrogen-peroxide. The monoxide is a colorless oil and boils at 173 - 175°C (0,08 mm). Its stri ture was proved on the basis of the reaction of its cxidation with potassium manganate in an acetone solution. In the use of the presence of its oxide ring of 12 and 13 carbon at 233 the oxide of novanic and azelaic acid should be found among the oxidation products (see the process of reaction) in the case of 9 and 10 atoms, however, capronic (C16H12O2) and 1

Card 1/3

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0012408

79 1 43/63

The Monoxide of Methyllinolate and Its Properties

decilic acid. The former were liberated. The authors delined content themselves with this proof. For a final determination of the structure of the monoxide it had to be converted the hydrated product. For the hydrated exide has the structure of the exide of octadecilenic-6-18-acid and should with respect to its properties differ from those if plead acid (= exide of octadecilenic-9-acid-18). By saponification of the hydrogenation product an exide was liberated which differed in everything from that of cloic acid. Thus the methyl line late possesses the structure of the methylester of the exidence of the methyl ester of octadecilenic-6-acid to its exidence of the methyl ester of octadecilenic-6-acid to its exidence. It became evident that the double bond of the methyl exidence of 12,13-exide-octadecilenic-9-acid 1 is just as rapidly of 12,13-exide-octadecilenic-9-acid 1 is just as rapidly detacted as that of Δ -methyllinolate. There are 7 references, 3 if which are Slavic.

0.54 ./3

79-1-4:/63

The Monoxide of Methyllinolate and Its Properties

ASSOCIATION: Leningrad State University

(Leningradskiy gosudarstvennyy universitet)

SUBMITTED:

January 9, 1957

AVAILABLE:

Library of Congress

card 3/3

1. Chemistry 2. Methllinolate-Chemical properties

79 28 5 1019

AUTHORS:

Pigulevskiy, G. V., Kozhin, S. A., Kostenko, V. G.

TITLE:

Reduction of the Monooxide Limonene With the Aluminumhydride of Lithium (Vosstanovleniye monookisi limonena alyumogidridem

litiya)

PERIODICAL:

Zhurnel Obshchey Khimil, 1958 Vol 28 Nr 5.

pr. 1413 1415 (USSR)

ABSTRACT:

The catalytic hydration of the a oxides of the terpene series into the corresponding alcohols takes place very difficultly and only with side processes, as was stated already earlier by the authors (Refrence 1). The reduction of the oxides with the aluminumhydride of lithium (LiAlH₄) offers a more con

venient method for transforming a terpene oxides into alcohols. If it is not accommised by side processes as a basis for the present investigation the monooxide of limitation (Oxydent), and present accommission of the monooxide of limitation of the present investigation the monooxide of limitation of the present investigation of the

Card 1/2

79 28 5 68,69

Reduction of the Mondovide Limonene With the Aluminumhydride of Lithium

of high symmetric purity, and $\boldsymbol{\beta}$ terpineol. Both alcohols were characterized by corresponding derivatives. Besides. additional combination diffusion spectra were taken. Thus it was found that the reduction of the monooxide of limenene with LialH, with opening of the oxide ring into both directions

takes place under the formation of a tertiary alcohol of β termineol and of a secondary one of d-neodihydrocarveol. In the work by Holub, Herout, Sorm (Reference 6), these authors seem to have neglected this circumstance, namely that in the reduction of the monooxide of limenone, besides β terpineol, also the neodihydrocarveol had formed. There are to references.

5 of which are Soviet.

Leningradskiy gosudarstvennyy universitet (Leningrad State ASSOCIATION:

University)

SUBMITTED:

May 6, 1957

Card 2/2

SOV/79-28-6-5c/63

Pigulevskiy, G. V., Kozhin, S. A., Kostenko, V. G. AUTHORS:

On the Problem of the Reduction of 1-Methylcyclohexene-1-TITLE:

-Oxide (K voprosu o vosstanovlenii okisi l-metiltsiklogeksena-1)

Zhurnal obshchey khimii, 1958, Vol. 28, Nr 6, pp. 1656-1658 PERIODICAL:

(USSR)

The reduction of the 1-methylcyclohexene-1-oxide by means of lithiumaluminum hydrate (LiAlH,) published by Mousseron and ABSTRACT:

his collaborators (Musseron) (Ref 1) attracted the attention of the authors who carried out a reduction of 1-limonene monoxide on the same conditions; on this occasion they also obtained a secondary alcohol, the d-neodihydrocarveol of high asymmetric purity besides the only tertiary alcohol of 1-methylcyclohexanol-1 as mentioned by those authors. Both alcohols formed in the same quantities. This somehow unex. pected course of reaction caused the authors to check most exactly the data supplied by Mousseron and his collaborators, as they had in view the analogy of the two oxides. The re-

duction of the oxide of 1-methylcyclohexene-1 was repeated

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sov/79-28-6-50/63

On the Problem of the Reduction of 1-Methylcyclohexene-1-0xide

with special attention being paid to the purity of the initial products. The combination diffusion spectra were used for the characterization of the investigated products. The methylcyclohexene-1 necessary for the production of the oxide was produced by the dehydration of the 1-methylcyclohexanol--1 by means of the p-toluene sulfochloride in pyridine solution; this had a favorable effect on the further course of the investigation (yield 68 %). The investigation of the spectra undoubtedly pointed to the similarity of the synthesized hexene. The oxide of this 1-methylcyclohexene-1, obtained by oxidation with acetylhydrogen peroxide (CH2CO-O-OH) was identical to that synthesized by Mousseron. The results of the reduction of Pmethylcyclohexene-l-oxide with LiAlH, proved completely the result mentioned in (Ref 1). The only reduction product is the tertiary alcohol of the 1-methylcyclohexanol-1; this could also be supported by spectral analysis by the spectrum line characteristic for tertiary alcohols in contrast to that of secondary ones. Thus the dehydration of 1-methylcyclohexanol-1 by means of p-toluene sulfochloride can be regarded as a convenient method for the synthesis of the individual 1-methylcyclohexene-1.

Card 2/3

SOV79-28-6-50/63 On the Problem of the Reduction of 1-Nethylcyclohexene-1-0xide

There are 6 references, 2 of which are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

May 6, 1957 SUBMITTED:

1. Cyclohexane derivatives--Synthesis

Card 3/3

AUTHOR: Pigulevskiy, G. V., Doctor of Chemical Sciences 30-58-3-18/45

TITLE: Investigation of Natural Compounds in the Czechoslovakian

Academy of Sciences

(Izucheniye prirodnykh soyedineniy v Chekhoslovatskoy

Akademii nauk)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958, Nr 3, pp. 84-85

(USSR)

ABSTRACT: The laboratory for natural compounds of the Chemical Institute

of the Czechoslovakian Academy of Sciences must be considered

as leading in this field. The author visited it recently. This is the merit of the director of the institute:

F. Shorm and of its collaborator V. Gerout. The field of sesquiterpenes which is investigated at present, presents great difficulties. F. Shorm showed for the first time that infrared spectra may be used for the characteristics of the fundamental types of sesquiterpenes. The process of chromato-

graphy disclosed new prospects with the investigation of

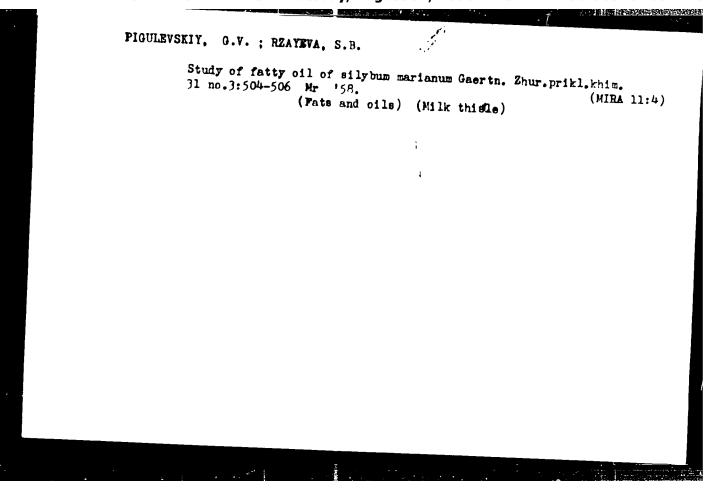
Card 1/2 ethereal oils. The laboratory developed special micro-processes

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001240

Investigation of Natural Compounds in the Czechoslovakian Academy 30-58-3-18/45

for the investigation of the nature of organic compounds. It proves also successful in the field of the lactams. Much attention is also paid to the methodic problem. V. Gerout developed a method for the separation of terpenes by an absorption-percolation on coal, or silicate respectively. Both microanalytical and physico-chemical laboratories participate in this work as well and the latter has a well equiped spectroscopic cabinet. One of the laboratories of the institute deals with the investigation of albumin and with the problem of brown coal.

Card 2/2



AUTHORS: Pigulevskiy, G.V., Kostenko, V. G. SOV: 54-59-1-23/25

TITLE: Investigation of Silver-fir (Abies Sibirica Ldb Gallipot K

issledovaniyu zhivitsy sibirskoy pikhty (Abies sibirina Lit

PERIODICAL: Vestnik Leningradskogo universiteta Seriya fiziki i khimit.

1959, Nr 1, pp '54-'56 (USSA'

ABSTRACT: The bark of the Siberian firs contains in fine channels the

> gallipot which consists of volatile (like terpene) and her volatile substances. The object of this paper is the invention tion of the nonvolatile ingredients which hitherto have tear to an only inconsiderable extent investigated of acids were detected in them by the experiments described here: the necessition acid (I) and the absetic acid (II) Their chemical structure formulas are given. Furthermore the alcohol absenct was sejarited as a crystal hydrate from the neutral ingredient of the rallpot. The investigation of the structure of ablenol will be the object of another paper. The analysis yields first the ablance which is an achromatic resinous mass. Its quantitative formula

is $c_{17}H_{30}O_2$, its constants are n_D^{20} 1 5332, $\lceil \alpha \rceil_D^{20}$ +20 C

most intensive bands of the infrared absorption spectrum and the Card 1/2

SCV/ 54-59-1-23 25

Investigation of Silver-fir (Abies Sibiria Ldb) Gallipot

ultraviclet absorption spectrum are given The negativity acid was first obtained as salt of the diethyl amine. It was then obtained in pure form by means of boric acid. It has the formula ${\rm C_{20}^H}_{\rm 30}{\rm O_2}$, its constants are: melting point 179 . 173 c

 $\left[\alpha\right]_{D}^{15}$ 164 4°. The infrared absorption band and the ultravillet absorption maximum are given. The abietic acid was obtained from the mother solution similarly to the neoabietic acid. Its constants are: melting point 173 - 174 5°. $\left[\alpha\right]_{D}^{16}$ 115 6°. Infra

red absorption banks and ultraviolet absorption maximum are given.
All data obtained are compared with data from publications

There are 7 references, 6 of which are Soviet

SUBMITTED:

April 10, 1958

Card 2/2

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5(3)

AUTHORS: Pigulevskiy, G. V.,

Pigulevskiy, G. V., Kozhin, S. A., SOV/79-29-6-60/72

Motskus, D. V.

TITLE:

Reduction of Δ^3 -Menthene Cxide by Lithium Aluminum Hydride

(Vosstanovleniye okisi Δ^5 -mentena alyumogidridom litiya)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 6. pp 2053-2056 (USSR)

ABSTRACT:

The present report contains preliminary results obtained from an analysis of the reduction of Δ^3 -menthene exide by LiAlH₄. This exide, the initial product, was obtained by the exidation of the mixture of Δ^3 -menthene and p-methane with perbenzoic acid. The mixture of these hydrocarbons was prepared by partial hydration of the mixture of Δ^3 -menthene and Δ^2 -menthene (Ref 5), which for its part resulted from the thermic cleavage of methyl acetate (Refs 5,6). Reduction of menthene exide was effectable.

ed with LiAlH₄ under standard and more rigorous conditions (at a higher temperature and finally without solvents). In the first case oxidation was not fully accomplished and in the second case it was fully accomplished. The composition of the

Card 1/3

Reduction of Δ^3 -Menthene Oxide by Lithium Aluminum SOV/7. Hydride

ences, 3 of which are Soviet.

SOV/79-29-6-60:72

products of reduction of the Δ^3 -menthene oxide varies also according to the conditions of the reduction. In all cases the corresponding alcohols result as main products: menthanol-4 and one of the stereoisomeric menthanols-3 of the neo-series, probably neo-isomenthol. During the reduction under standard conditions menthanol-4 (70 % yield) is the main product, whereas in the reduction under more rigorous conditions menthanol-3 (70 %) prevails. Menthanol-4 was characterized by the synthesis of phenyl urethane and by the spectroscopic comparison. For the identification of the secondary alcohol formed in the reduction of Δ^3 -menthene oxide, its p-nitro-benzoate was synthesized, which corresponds, according to reference 9, to the p-nitro-benzoate of the dl-neo-isomenthol. In virtue of the results obtained it is assumed that Δ^3 -menthene oxide is a mixture of stereoisomers, which due to steric factors may be reduced more or less easily by LiAlH_{Λ} and which accounts for

the varying composition of the reduction products. Additional, more detailed examinations will follow. There are 10 refer-

Card 2/3

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001240

Reduction of Δ^3 -Menthene Oxide by Lithium Aluminum SOV/79-29-6-60 72

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State

SUBMITTED: May 25, 1958

Card 3/3

ABSTRACT:

5 (3)
AUTHORS: Pigulevskiy, G. V., Kuranova, I. L., SOV/79-29-7-77/65
Shenin, Yu. D.

TITLE: Reaction of Ammonia With the Oxide of the Petroselaidic Acid (Vzaimodeystviye ammiaka s okis'yu petrozelaidinovoy kislaty)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Mr 7, pp 2449-2452 (USSK)

In addition to previous papers (Refs 1, 2) the authors investingleted the reaction of ammonia with the oxide of the petroselaidic acid (trans-\$\Delta^6\$-octadecenoic acid-1). This acid was obtained by elaidination of the petroselinic acid. By oxidation of this acid with peracetic acid the oxide was formed. By reaction of ammonia with this oxide at 130° the oxy-amino-stearic acid was formed, which melted after repeated recrystallization from isoamyl which melted after repeated tube) and corresponds with the empirical formula \$C_{18}\$^{\text{H}}_{37}\$^{\text{O}}_{3}\$^{\text{N}}\$. It is insoluble in common solvents,

sparingly soluble in isoamyl alcohol and soluble only in acids and alkali liquors. According to the structural proofs carried out [oxidation with lead tetraacetate (Ref 3)] formula (I) is out [oxidation with lead tetraacetate acid. It is a stereoisomer of assigned to the oxy-amino-stearic acid. It is a stereoisomer of assigned to the oxy-amino-stearic acid.

assigned to the oxy-amino-stearic acid. It is a stereoisomer of assigned to the oxy-amino acid which results from the oxide of the corresponding oxy-amino acid which results from the oxide of

Reaction of Ammonia with the Oxide of the Petroselaidic Acid

30Y/79-29-7-77/85

the petroselinic acid. The following derivatives of the oxyamino-stearic acid which was obtained from the oxide of the petroselaidic acid were synthesized: the hydrogen chloride complex of the oxyamino acid (C18H3503NH2.HC1) and the hydrogen chloride complex of its methyl ester (II). It can be seen from the table that the melting points of the oxy-amino acid and its derivatives which were obtained from the oxide of the petroselinic acid (cis-isomer) are lower than the melting points of the oxyamino acid and its corresponding derivatives which were produced from the oxide of the petroselaidic acid (trans-isomer). Similar observations were made earlier when comparing the properties of two other oxy-amino-stearic acids which were produced by the authors, accordingly, from the oxides of the oleic acid (cisisomer) and elaidic acid (trans-isomer) (Ref 1). In both cases the oxy-amino acids are distinguished from one another by their steric configuration. There are 1 table and 8 references, 5 of which are Soviet.

Card 2/3

Reaction of Ammonia With the Oxide of the Petroselaidic Acid

30V/79-29-7-77/83

ASSOCIATION:

Leningradskiy gosudarstvennyy universitet (Leningrad State

SUBMITTED:

July 2, 1958

Card 3/3

THE RESERVE OF THE PERSON OF T

5(3) SOV/80-32-4-46/47

AUTHORS: Pigulevskiy, G.V., Kuranova, I.L. and Sokolov, E.V.

TITLE: The Interaction of Ammonia With the Oxide of Petroselinic Acid (Vzaimo-

deystviye ammiaka s okis'yu petrozelinovoy kisloty)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 4, pp 937-938 (USSE)

ABSTRACT: The authors synthesized the oxyaminostearic acid by means of interaction of ammonia with the oxide of petroselinic acid. On the basis of treatment this acid with lead tetraacetate and the analysis of the products resulting from the reaction, the authors conclude that the

oxyaminostearic acid should have the structure of 6-amino-7-oxyoctadeca

noic acid-lof the following form:

 $cH_3 - (cH_2)_{10} - cH - cH - (cH_2)_4 - cooH$ $OH - NE_2$

Card 1/2

SOV '80-32-4-46 '47

The Interaction of Ammonia With the Oxide of Petroselinic Acid

Its melting point is $133 - 134^{\circ}$ C. The detailed procedure of obtaining

this acid was described in the note.

There are 7 references, 3 of which are Soviet, 2 German, 1 American

and 1 French.

SUBMITTED:

July 2, 1958

Card 2/2

5.3600

75701 SOV/80- 17-10-50/54

AUTHORS:

Pigulevskiy, G. V., Kostenko, V. G., Andreyeva, L. F.

TITLE:

Brief Communications. Preparation of Discrete Linaly:

Chloride

PERIODICAL:

Zhurnal prikladnov khimil, 1959, Vol 32, Nr 10. 17

2370 (USSR)

ABSTRACT:

Linalool in reaction with PCl2 gave a mixture of ac% linalyl chloride and 60% geranyl chloride. It is known

that lithium aluminum hydride reacts with primary chlorides

but does not reduce the tertiary chlorides. Lithium aluminum hydride reacts completely at room temperature with geranyl chloride, forming dihydromyrcene. Limityl chloride Is not reduced in this reaction, and the obtained nixture of linalyl chloride and dihydromyrdene was separated by distillation. Hydrogenation of linalyl chloride and di-

hydromyreene shows the presence of two double honds in the above compounds. This is proof that upon reduction of chloride with lithium aluminum hydride the double bonds do not reduce

Card 1/2

Brief Communications. Preparation of Discrete Linalyl Chloride

SOV/80-40-10-10-10

and that the chloride does not contain an admixture of chlorides. In comparison with geranyl chloring, that ye chloride has lower specific gravity and smaller refractive index and is optically active. There are 2 figures: 1 table; 7 references, 4 Soviet, 1 U.S., 1 German, 1 British.
The U.S. and British references are: I. Frever, G. Kon. J. Chem. Soc., 3131 (1950); E. Johnson, R. Bleismard, H. Carhart, J. Am. Chem. Soc., 70, 3664 (1948).

SUBMITTED:

December 20, 1958

Card 2/2

5(3)

SOV/20-128-2-23/59

AUTHORS:

Pigulevskiy, G. V., Kostenko. V. G.

TITLE:

Abienol, Its Production and Properties

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 2, pp 305-308

(USSR)

ABSTRACT:

An alcohol with an empirical formula $C_{17}H_{28}O$ was isolated from the liquid resin of the silver fir (Abies pectinata D.C.), and called abienol (Ref 1). Its crystallohydrate with water melts at 62°. The authors isolated from among the nonvolatile components of the resin secretion of the Siberian fir (Ab. sibirica Ldb.) (Ref 2) an abienol in the form of abienol hydrate corresponding to the one mentioned in reference 1

hydrate corresponding to the one mentioned in reference 1 (Table 1). It was different in the following points: it was crystalline, with a melting point at 40-42, and had a higher optical rotation activity. Contrary to the data (Ref 1) abienol and abienol hydrate contain 2 double bonds each. Hydrating of the 1st double bond proceeds much faster than that of the 2nd one. This points to their different character. The infra-red spectra (Fig 1) of the abienol hydrate showed 2 bands cor-

Card 1/3

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Abienol, Its Production and Properties

SCY, 26-128-2-23 19

responding to the valence vibrations of C=C: 1600 cm and 1642 cm . This can be explained by the presence of Coungugate double bonds. This is also confirmed by the ultraviolet spectrum. Both in abienol hydrate and in abienol, the groups CH_ and CH, were detected spectroscopically. It is very probable that abienol hydrate contains the group -CH=CH. The abienol water at 40-45° on hydrate isolated by the authors loses heating in the vacuum, and is transformed to abienal. When the latter is dissolved in alcohol, a white precipitation is formed. It is amorphous and melts at 115-1200. It is an abienal polymer $(c_{17}H_{28}0)_c$. Visible light is also capable of effecting this polymerization. With these results, the contradictory data of reference 1 become evident: a partially folymerized abienol was present there. The statement saying that accencil hydrate cannot be obtained from abienol by treatment with 95% ethanol was also refuted by the authors. Thus, the transformation of abienol hydrate to abienol, and vice versa, is not accompanied by any structural changes in the molecule (except for polymerization) There are 1 figure, 1 table, and 5 ref-

Card 2/3

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Abienol, Its Production and Properties

SOV/20-128-2-23/59

erences, 2 of which are Soviet.

ASSOCIATION:

Leningradskiy gosudarstvennyy universitet im. A. A. Zhdanova

(Leningrad State University imeni A. A. Zhdanov)

PRESENTED:

May 11, 1959, by B. A. Arbuzov, Academician

SUBMITTED:

May 6, 1959

Card 3/3

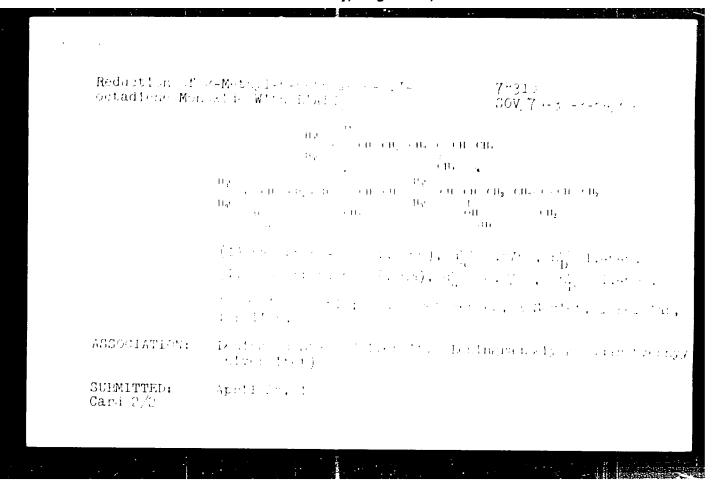
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CIA-RDP86-00513R001240

AUTHORS:

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"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001240

J. . CO

William Commence

AUTHORS:

Pipulevskiy, 1. V., Research . V. :

TITLE:

Letters to the Estress, the emittal the Wester.

mula of Aller

PERIODICAL:

Zhurmal orehetsey 20 to 11. Not 60, No 5, 1 10.2 (TADA)

ABSTRACT:

The authors report that the encluded formula of sitesis, suggested by H. Withous and R. Macke (Ber., 1). (1942)) is in Haugreement with the results of and lasts of ablenot and Its derivatives seconded from Artes sibiries Lib. The outhors suggest a new employed formula for object and its derivatives (see those) was consider object to be a ditement of blooding to the anti-

Slovak, .. Soylen.

ASSOCIATION:

Leningrad Stone University (Leningrasski) gos damatien n

universitet)

SUBMITTED: Cando

November 17, 100,

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001240

5.3400 jo. 19. - 1. AUTHORS: Piguleuskin, o. T., Koutenki, T. 3. TITLE: Nebarietic and Acterio A is . Prima Rosto A is . . Streeta Pri Arte Strt 1 & Louis Rest PERIODICAL: Zhurnal priklasnov knimit, 19rc. Vo. 33, Nr. 4, pp 430-444 (USSR) Siberiar fir is use: In USSR as a source of an exsential ABSTRACT: oil containing complianetate; it is also used in medicine. The residue ased for the preparation of Canada ralsam substitutes. The authors four that similarly to the resin of Abies pectinata D $_{\rm C}$ (Bernablet), VOI 75, E 1771), the similar fir resincentarity abietic aris (0.5%), and recapietic axis (5%). The physical roustants of axis were close to those letermine a strong a troop of (DrOK)... The periodic of the arise with itself and alminus Cari 1,.

"APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R001240

Neoahierin mar Arieri A. M. . Parago and a second and a s

PIGULEVSKIY, G.V.; MAKSIMOVA, A.M.

Formation of turpentine. Trudy Bot. inst. Ser. 5 no.66-82 '61.

(MIRA 14:7)

PIGULEVSKIY, G.V., KOVALEVA, V.I.

Investigating the essential oil from the fruit of the wild carrot Daucus carota L. occurring in Central Asia. Trudy. Bot. inst. Ser. 5 no.8:15-23 *61. (MIRA 14:7) (Essences and essential oils) (Tashkent Province—Carrots)

PIGULEVSKIY, G.V.; BELOVA, N.V.

Investigating the essential oil from the fruit of the water parsnip Sium latifolium L. Trudy Bot. inst. Ser. 5 no.8:24-27 (MIRA 14:7)

(Essences and essential oils) (Voronezh Province-Water parsnips)

PIGULEVSKIY, G.V.; RAZBEGAYEVA, T.P. Investigating the essential oil of Caropodium platycarpum Schischk. Trudy Bot. inst. Ser. 5 no.8:28-31 61. (MINA 14:7) (Transcuaseria -Caropodium) (Essences and essential oils)

PIGULEVSKIY, G.V.; RYSKAL*CHUK, A.T.

Raman spectra of terpenes and their derivatives. Trudy Bot.

(MIRA 14:7)

inst. Ser. 5 no.8:210-239 *61.

(Terpenes) (Raman effect)

PIGULEVSKIY, G.V.; RYSKAL CHUK, A.T. Infrared spectra of compounds contained in essential oils.
Trudy Bot. inst. Ser. 5 no.8:240-325 161. (MIRA 14:7) Trudy Bot. inst. Ser. 5 no.8:240-325 161.

(Essences and essential oils)

(Spectrum, Infrared)

FIGULFVSKIY, G.V.; FOVALEVA, V.I.; BELOVA, N.V. Some aromatic plants of the Sayans. Trudy Bot. inst. Ser. 5 no 9: (M.R.A 15:1) (Sayan Mountains -- Aromatic plants) 242-250 61.

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"The terpenes; sweetra and physical constants." Part 1:

"The terpenes by J. Pliva, Horak, M., Herout, V., Šorm,
Sesquiterpenes by G.V. Pigulovskii, V. Aleksanin. Opt. 1
F. Reviewed by G.V. Pigulovskii, V. Aleksanin. (MIRA 14:9)
spektr. 11 no.3:434-435 S '61.
(Terpenes) (Pliva, J.) (Horak, M.) (Herout, V.)
(Sorm, F.)
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PIGULEVSKIY, G.V.; KOSTENKO, V.G.; MARKUSHKIN, N.I.

Uniformity of the abietinol of Ruzicka and Meyer. Zhur.ob.khim.

(MIRA 14.4)

30 no.10:3489-3492 0 '61.

1. Leningradskiy gosudarstvennyy universitet.

(Abietyl alcohol)

PIGULEVSKIY, G. V.; KONOKOTINA, A.I. Reaction of sabinene with peroxyacetic acid. Zhur.ob.khim. 30 no.10:3492-3495 0 161. (MIRA 14:4) 1. Leningradskiy gosudarstvennyy universitet. (Peroxyacetic acid)

KUZNETSOVA, G.A.; PIGULEVSKIY, G.V. Structure of prangenin. Zhur. ob. khim. 31 no.1:323-326 Ja '61. (MIRA 14:1) 1. Botanicheskiy institut Akademii nauk SSSR. (Prangehip)

PIGULEVSKIY, G.V.; SOKOLOVA, A.Ye. Reactions of oxides of higher unsaturated acids with lithium aluminum hydride. Part 1: Oxides of cleic and petroselinic acids. Zhur. ob. khim. 31 no.2:652-656 F '61. (MIRA 14 (MIRA 14:2)

1. Leningradskiy gosudarstvennyy universitet.
(Oleic acid) (Petroselinic acid) (Oleic acid) (Aluminum lithium hydride)

PIGLERVSkir, G.V.; SCICLOVA, A.Ye.

neactions of onices of his or unsaturated acids with lithium aluminum lidrice. Pert 2: On do of mothyl erucate. Zhur. ob. Ed. 31 no. 2:55 - 50 r 151.

1. Lemin redskiy costa ratvennyy universitet. (Ercic acid)

PIGULEVSKIY, G.V.; KONOKOTINA, A.I.

Detection of a three-membered ring in terpene compounds by means of infrared spectra. Zhur.ob.khim. 31 no.7:2410-2413 11 161. (MIRA 14:7)

1. Leningradskiy gosudarstvennyy universitet imeni A.A. Zhdanova.

(Terpenes-Spectra) (Cyclopropane)

KURANOVA, I.L.; SMENIN, Yu.D.; PIGULEVSKIY, G.V.

Reactions of methyl ester oxide of erucic acid with acetic acid.

(MIRA 14: 2hur.ob.khim. 31 no.9:3142 5 61. (MIRA 14:9)

1. Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova. (Erucic acid) (Acetic acid)

PIGULEVSKIY, G.V.; KOSTENKO, V.G.; KOSTENKO, L.D.

Ascertaining the structure of abietinol. Zhur.ob.khim. 31
(MIRA 14:9)
no.9:3143 S 61.

1. Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova. (Abietyl alcohol)

PIGULEVSFIY, G.V.; KOVALEVA, V.I.

Daucene, a new sesquiterpene hydrocarbon. Dokl. AN SSSA 141 no.6: (MIRA 1-:12)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR. Fredstavleno akademikom B.A.Arbuzovym.
(Sesquitepene) (Hydrocarbons)

MOKHNACH, Vladimir Omufriyevich; PIGULEVSKIY, G.V., doktor khim. nauk, prof., otv. red.; FEDOROV, Al.A., doktor biol. nauk, prof., otv. red.; BELKINA, M.A., red. izd-va; GALIGANOVA, L.M., tekhm. red.

[Iodine compounds with high polymers, their antimicrobial and therapeutic properties] Soedineniia ioda s vysokopolimerami, ikh antimikrobnye i lechebnye svoistva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 176 p. (MIRA 15:3)

(POINMERS) (IODINE TERAPETIC USE)

PIGULEVSKIY, G. V.

* The relation between optical activity of terpenes and the systematic classification of plants.

report submitted for the IUPAC 2nd International Symposium on the Chemistry of Natural Products, Prague Czech., 27 Aug - 2 Sep 62

s/030/62/000/001/706/011 B104/B102

Fedorov, Al. A., Doctor of Biological Sciences, Pipulevskiy, G. V., Doctor of Chemical Sciences AUTHOR3:

Biologically active substances of vegetable origin

PERIODICAL: Akademiya nauk SSSR. Vestnik, no. 1, 1962, 62 - 67 TEXT: In recent years the laboratoriya botanicheskogo resursovedeniya TITLE:

TEAT: In recent years the laboratoriya Dotanicheskogo resursovedeniya
Botanicheskogo instituta im. V. L. Komarova Akademii nauk SSSR (LaboraTOTAL OF Rotanical Resources of the Institute of Rotany imani V in the Institute of botanicneskogo instituta im. v. L. komarova akademii nauk soon (bau tory of Botanical Resources of the Institute of Botany imeni V. L. tory of botanical Resources of the Institute of botany iment v. L.

Komarov of the Academy of Sciences USSR) and the laboratoriya khimil komarov of the Academy of Sciences uson, and the Laboratority of Vegetable Substantially high veshchesty (Laboratory of the Chemistry of Populario Company of the Chemistry of Vegetable Substantially the Chemistry of Vegetable Substantially the Chemistry of the Company of the Chemistry of the Company of the Chemistry of the Chem tances) of the same institute have been investigating "physiologically active substances" Among the natural compounds Committee in plants active substances". Among the natural compounds occurring in plants, substances of the sesquiterpene and triterpone series are of special substances of the sesquiterpene and triterpene series are of special structure are of great practical interest. Sesquiterpenes of azuleno structure are of great practical interest. Papers by M. M. Goryayev. Schemician AS Kazakhsmedical importance. medical importance. rapers by M. M. Goryayev. icliemician AS Kazakhs-kaya SSR, as well as Czech and Chinese scientists, showed that azulene kaya DDR, as well as Ozech and Onlinese scientists, showed that azulene compounds can be produced by dehydrogenation from sesquiterpenes obtained Card 1/4

APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0012408

S/030/62/00 /001/006/011 B104/B102

Biologically active substances ...

from plants of the thistle family. M. V. Nazarenko succeeded in separating guainolide from Artemisia macrocephala Jacq collectel by L. P Markova and L. I. Medvedeva in the Western Tyan'-Shan. Up to 30% of camazulene is contained in the ethereal oil of this plant. N. P. Kir'yalow succeeded in finding biologically active substances of the sesquiterpene series in several umbelliferous plants: he was able to separate ugamtriol, chimgandiol, angrendiol, and ovindiol. According to M. A Litvinov's preliminary lata, these substances show an antimicrobic effect.

N. P. Kir'yalov and T. N. Naugol'naya separated and studied uralenic and meristotropic acids from various forms of Glycyrrhiza collected by T. P. Nadezhina under the direction of Professor M. M. Il'in. Ye. A. Krufanova has studied the acids contained in Pseudoglycyrrhiza A. A. Ryabinin and L. T. Matyukhina found new "al'ninkanon" compounds, besides known triterpenes, in Alnus incana (L). Coumarins and furol coumarins were detected by G. V. Pigulevskiy and G. A. Kuznetsova in the root secretions of Prangos pabularia Lindl. Among these compounds, "prangin" and "prangenin" were found to be new. V. G. Kreyer discovered bergaptene, pimpinellin. isopimpinellin, and sphondin, besides coumarins, in the fruite of Hera cleum Sosnowskiy Manien Yu A Dranitsyna discoverei five appropria f Card 2/4

3/030/62/000/001/006/011 B104/B102

Biologically active substances .

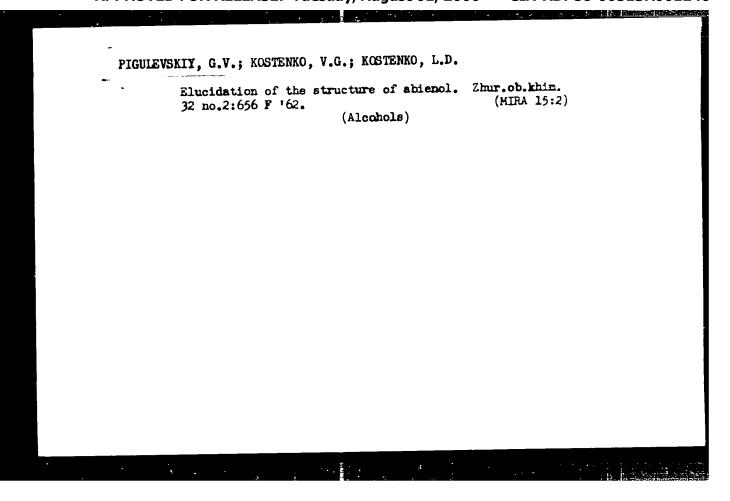
the coumarin series. At the Klinika kozhnykh bolezney Voyenno-meditsinskoy akademii nauk im. S. M. Kirova (Clinic for Skin Diseases of the Military Medical Academy of Sciences imeni S M. Kirov), one of them; "imperatorin" was successfully used for treating vitiligo. Ye. N. Vermel and S A. Vichkanova investigated some substances of the coumarin series in cooperation between the Institute of Botany and the Laboratorii Vsesoyuznogo institut lekarstvennykh i aromaticheskikh rasteniy (Laboratories of the All-Union Institute of Medical and Aromatic Plants). N. P. Kir'yalov and S. D. Movchan studied the "resins" of the roots of a number of Ferulae. I. P. Tsukervanik and V. V. Bersutskiy conducted simi lar investigations in studies organized by the Sredneaziatskiy universitet (Central Asian University). G. V. Pigulevskiy, T. N. Naugolinaya, and N. P. Kir'yalov succeeded in producing galbanic acid (an antibiotic) from the roots of F. Gumosa Boiss. N. P. Kir'yalov and S. D. Movchan separatei new coumarin derivatives from the "resins" of the roots of F. samarkandica Korov. I S. Kozhina separated a polysaccharide from stem and root of Alcea rugosa Alef.; this polysaccharide can be used as blood plasma substitute according to results obtained by the leningradskiy Institut perelivaniya krovi (Leningrad Institute of Blood Transfusion). Smyrnovin Card 3/4

Biologically active substances ...

S/030/62/000/001/000/011 B104/B102

an alkaloid separated from Smyrnovia turkestana Bge. by A. A. Ryabinin and Ya. M. Il'ina, is a putrescine derivative. In studies conducted at the Kafedra farmakologii Voyenno-meditsinskoy akademii (Department of Pharmacology of the Military Medical Academy), A. I. Kuznetsov and A. D. Panashchenko showed that this alkaloid reduced blood pressure. This preparation was designated "Izoprin" by the Farmakologicheskiy komitet Uchenogo meditsinskogo soveta Ministerstva zdravookhraneniya SSSR (Pharmacological Committee of the Scientific Medical Soviet of the Ministry of Public Health USSR). Its industrial production was assigned to the Leningrad "Farmakon" Plant. G. A. Denisova and I. B. Sandina are mentioned

Card 4



THE PROPERTY OF THE PERSON

PIGULEVSKIY, G.V.; MOTSKUS, D.V.; RODINA, L.L.

Dehydration of carotol. Zhur.ob.khim. 32 no.2:656 F '62.

(MIRA 15:2)

1. Leningradskiy gosudarstvennyy universitet.

(Carotol)

Cxides of higher unsaturated acids. Reaction of oxide of

erucic methyl ester with acetic acid. Zhur.ob.khim. 32 no.5:1675-1680 My '62. (MIRA 15:5)

1. Leningradskiy gosudarstvennyy universitet.
(Erucic acid) (Acetic acid)

PIGULEVSKIY, G.V.; MOTSKUS, D.V.

Selenane-type sesquiterpene alcohol extracted from esselvial oils of wild carrots (Dancus carota). Zhur.ob.khim. 32 no.7:2365-2367
Jl 162. (MIRA 15:7)

1. Leningradskiy gosudarstvennyy universitet.

(Sesquiterpenes) (Essences and essential oils) (Alcohols)

KOZHIN, S.A.; YAKIMOVICH, S.I.; PIGULEVSKIY, G.V.

Reduction of pulegone oxide by lithium aluminum hydride. Zhuc. ab. khim. 32 no.7:2368-2371 J1 162. (MIRA 15:7)

1. Leningradskiv gosudarstvennyy universitet. (Menthenone) (Aluminum lithium hydride)

PIGUIEVSKIY. G.V., prof.

Commarins and furocumarins. Vest.AN SSSR 32 no.7:120-121 Jl '62.

(Commarin) (Furocommarin)

KURANOVA, I.L.; PIGULEVSKIY, G.V.

Preparation of a liquid isomer of methyl ester of linoleic acid dioxide. Zhur.ob.khim. 32 no.10:3455 0 '62. (MIRA 15:11)

1. Leningradakiy gosudarstvennyy universitet.
(Lineleic acid)

44 - 1 H - 10 DV 68 (81 to 12 to 1

KOZHIN, S.A.; YAKIMOVICH, S.I.; PIGULEVSKIY, G.V.

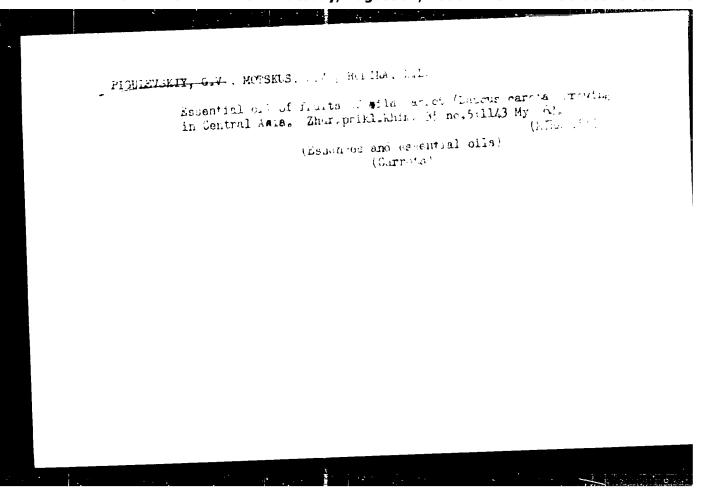
Chemical nature of "liquidipulation oxide." Zhur.ob.khim. 32 no.10:3555-3456 0 162. (MIPA 15:11)

1. Leningradskiy gosudarstvennyy universitet. (Menthenone)

PIGULEVSKIY, G.V.; BOROVKOV, A.V.

Isolation of d-β-elemen and 1-β-selinene from the essential oil of Ithanotis transcaucasica schischk fruits. Zhur.ob.khim. 32 no.9:7106 S *62. (MIRA 15:9)

1. Botanicheskiy institut AN SSSR. (Elemene) (Selinene)



PIGULEVSKIY, G.V.; MOTSKUS, D.V. Essential oil of fruits of Daucus carota growing in the Ossetian Autonomous S.S.R. Zhur.prikl.khim. 35 no.6:1355-1360 Je '62. (MIRA 15:7) (Ossetia-Essences and essential oils)

PIGULEVSKIY, G.V.; KOVALEVA, V.I.

Hew sesquiterpene from essential oil of Artemisia Raurica Willd. Zhur.ob.khim. 33 no.2:705-706 F '63. (MIRA 16:2)

1. Botanicheskiy institut AM SSSR. (Carduceae) (Essences and essential oils) (Sesquiterpenes)

DANILOVA, A.S.; PIGULEVSKIY, G.V.

Structure of the product of ascaridole thermal isomerization. (MIRA 16:7) Zhur.ob.khim. 33 no.6:2076-2077 Je '63.

1. Leningradskiy gosudarstvennyy universitet. (Ascaridole) (Isomerization)

PIGULEVSKIY, G. V.

"Concerning oxidation products of unsaturated sebacic acids."

report submitted for 1st World Fat Cong, Intl Soc for Fat Research, Hamburg, W. Germany, 12-18 Oct 64.

PIGULEVSKIY, G.V.; SOKOLOVA, A.Ye.

Catalytic hydrogenation of petropelinic Hydron: acids. Zhur prikl.khim. (MIRA 16:3)

l. Leningradskiy gosudarstvennyy universitet.
(Petroselinic acid)

PIGULEVSKIY, G.V.; BOROVKOV, A.V.;

Sesquiterpenes of the essential oil of the fruits of Libenotis transcaucasica schischk growing in various regions of the U.S.S.R. Zhur. prikl. khim. 36 no.4:831-836 Ap 163. (MIRA 16:7)

(Sesquiterpenes)

(Essences and essential oils)